

A large field of solar panels stretches across the middle of the slide. The panels are arranged in neat rows and reflect the bright light from the sun. In the background, there are some trees and a small building under a clear blue sky with a few wispy clouds.

# Silicon Valley Clean Energy

Community Meeting

June 22, 2017

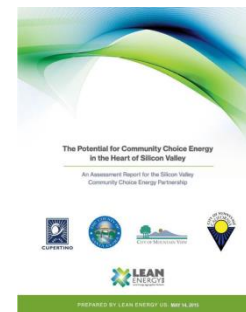
Steve Attinger

Environmental Sustainability Coordinator

# Background on SVCE



- **Initial Discussions with Sunnyvale (July 2012)**
- **Silicon Valley Community Choice Energy Partnership (Feb 2015)**
  - Sunnyvale (lead), Mountain View, Cupertino, Santa Clara County
- **Initial Assessment Report (May 2015)**
  - High-level risks and benefits of forming a local CCE
  - 8 other communities then expressed interest
    - Campbell, Gilroy, Los Altos, Los Altos Hills, Los Gatos, Monte Sereno, Morgan Hill, Saratoga
- **Technical Feasibility Study (November 2015)**
  - Detailed study of regional energy needs, rate impacts, risks
- **Community Engagement in Mountain View (May 2015 – Jan 2016)**
  - 5 meetings to inform and gauge interest
  - City council approved participation in SVCE (January 2016)
- **Program Development (April 2016 – April 2017)**



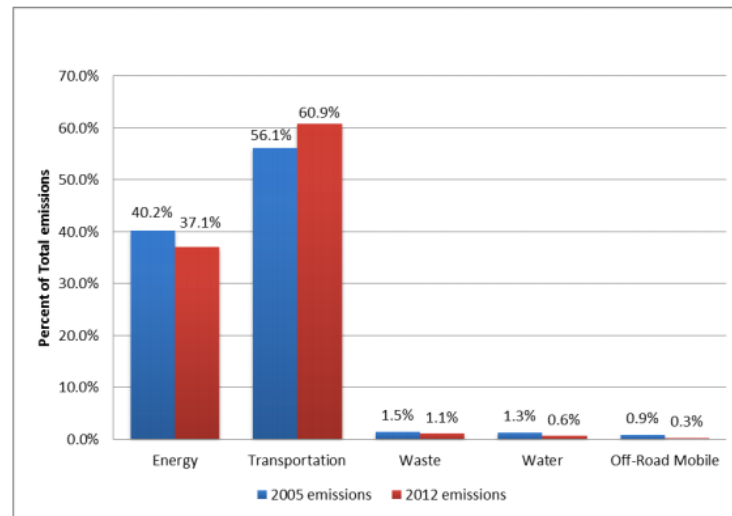
# Mountain View's Carbon Emissions

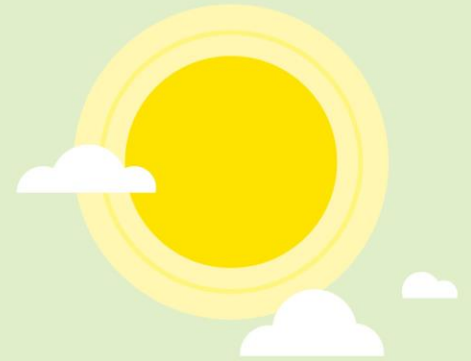
- Reduction Goal: “80% by 2050”

	2005	2012
Energy	40%	37%
Electricity	24%	21%

- SVCE is critical to meet our reduction goals!
  - By 2020, SVCE is *estimated* to reduce:
    - Electricity emissions to 1%
    - Total emissions just below our 2005 baseline
- **But, our 2020 Goal is 15-20% below**
  - Significant community action is needed!

Figure 2.2: 2005 Baseline and 2012 Community Emissions by Sector (%)





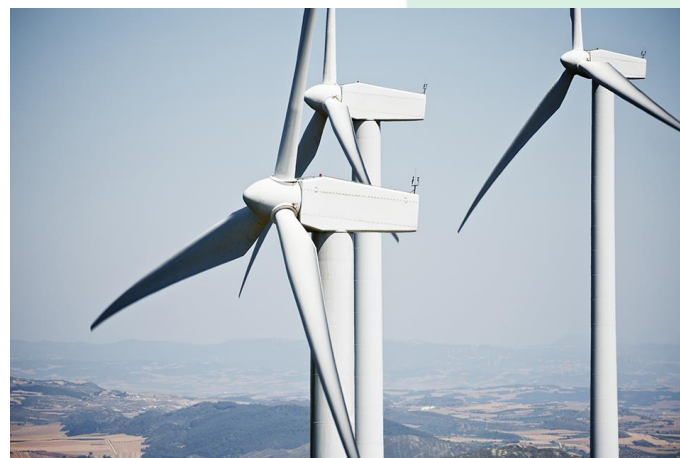
# Welcome City of Mountain View!

John Supp  
Account Representative  
Silicon Valley Clean Energy



# Overview

- Introduction to SVCE
- How it Works
- Electricity Choices
- Timeline
- FAQs



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# **Who is Silicon Valley Clean Energy?**



# Introducing SVCE

- A new Community Choice Energy agency formed by 12 local communities to:
  - Source cleaner power at more competitive rates
  - Offer new choices, economic and environmental benefits



# How does it work?



**SOURCE**



**SVCE**

buying and  
building energy  
supplies

**DELIVERY**



**PG&E**

delivering energy,  
repairing lines,  
serving customers

**CUSTOMER**



**YOU**

benefitting from  
cleaner energy,  
local control

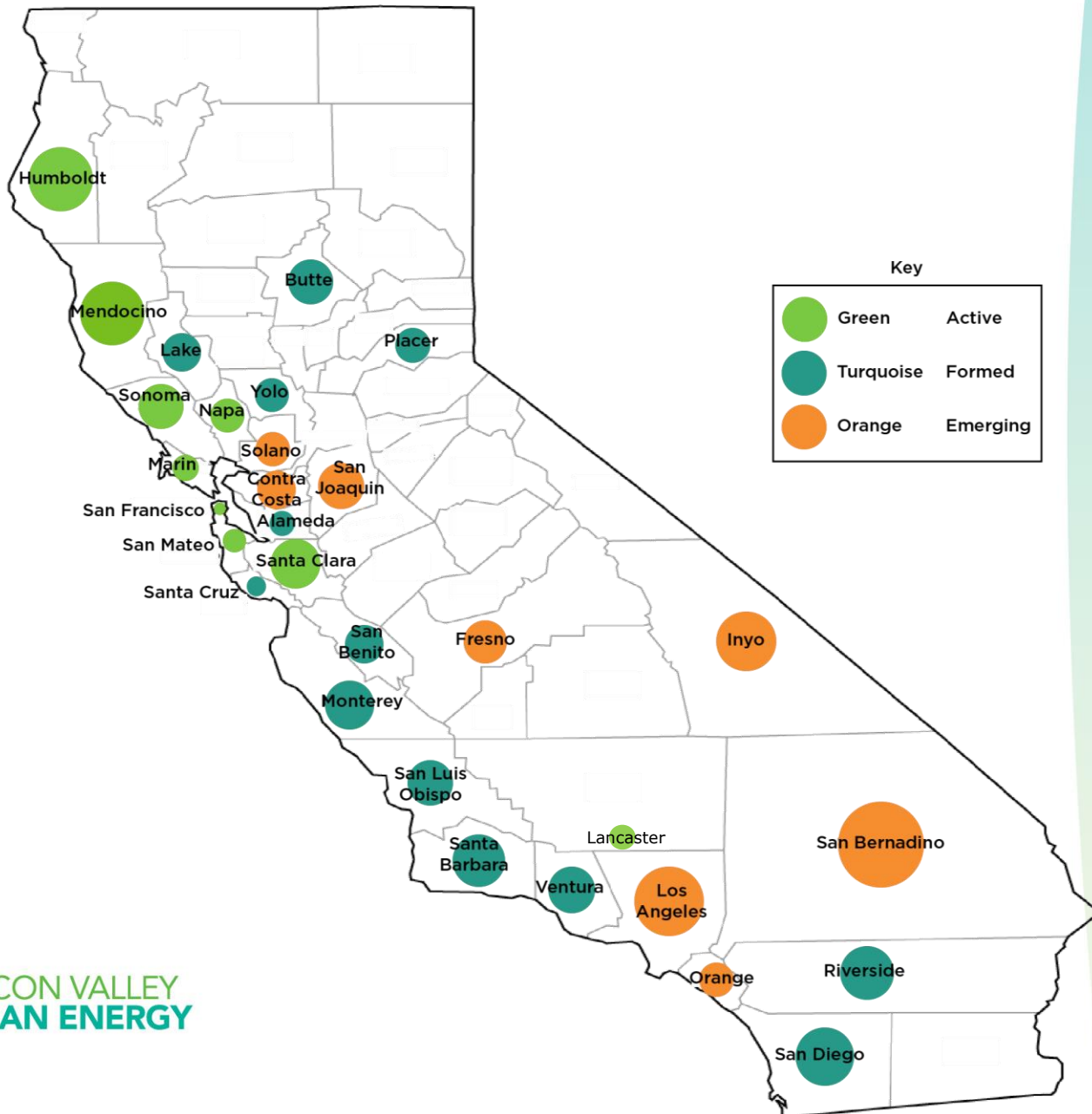


# Where did Community Choice Energy come from?

- Authorized in California by AB 117 (Migden, 2002)
- Operational in seven states
- Participating communities join by ordinance, form Joint Powers Authority
- Register with PUC, file implementation plan
- About 18 million Californians will be served by Community Choice by 2020



# Where are the CCEs in CA located?



# SVCE Communities



Campbell | Cupertino | Gilroy | Los Altos | Los Altos Hills



Los Gatos | Monte Sereno | Morgan Hill | Mountain View



Santa Clara County | Saratoga | Sunnyvale

# Board of Directors

Board meetings are open to the public and take place at 7 p.m. on the second Wednesday of each month at:

Cupertino Community Hall  
10350 Torre Ave  
Cupertino, CA



Rob Rennie, Chair  
City of Los Gatos

Daniel Harney, Vice Chair  
City of Gilroy

Liz Gibbons  
City of Campbell

Rod Sinks  
City of Cupertino

Jeannie Bruins  
City of Los Altos

Courtenay Corrigan  
Town of Los Altos Hills

Burton Craig  
City of Monte Sereno

Steve Tate  
City of Morgan Hill


Margaret Abe-Koga  
City of Mountain View

Howard Miller  
City of Saratoga

Jim Griffith  
City of Sunnyvale

Dave Cortese  
Santa Clara County



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**What does Silicon  
Valley Clean  
Energy do?**

# How does it work?



**SOURCE**



**SVCE**

buying and  
building energy  
supplies

**DELIVERY**



**PG&E**

delivering energy,  
repairing lines,  
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**CUSTOMER**



**YOU**

benefitting from  
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local control

# Sample Bill



## ENERGY STATEMENT

[www.pge.com/MyEnergy](http://www.pge.com/MyEnergy)

Account No: 1023456789-0  
Statement Date: 04/09/2017  
Due Date: 04/30/2017

### Service For:

SPARKY JOULE  
1234 MAIN STREET  
SUNNYVALE, CA 94087

### Your Account Summary

Credit Balance on Previous Statement	\$135.67
Payment(s) Received Since Last Statement	-135.67
Previous Unpaid Balance	0.00

### Questions about your bill?

24 hours per day, 7 days per week  
Phone: 1-866-743-0335  
[www.pge.com/MyEnergy](http://www.pge.com/MyEnergy)

### Local Office Address

10900 N BLANEY AVE  
CUPERTINO, CA 95014

Current PG&E Electric Delivery Charges	\$89.08
Silicon Valley Clean Energy Electric Generation Charges	\$41.95
<b>Total Amount Due by 02/05/2017</b>	<b>\$131.03</b>

### Important Messages

Your charges on this page are separated into delivery charges from PG&E and generation or procurement charges from an energy provider other than PG&E. These two charges are for different services and are not duplicate charges.



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# **Why Silicon Valley Clean Energy?**

# SVCE Benefits



## **GHG Reduction**

Single most effective and large-scale action our communities can take to curb emissions and reduce climate impacts



## **A True Choice**

Now have a choice of more than one electricity provider.



## **Competition**

Redefining the local energy market with new and competitive clean energy services



## **Local Investment**

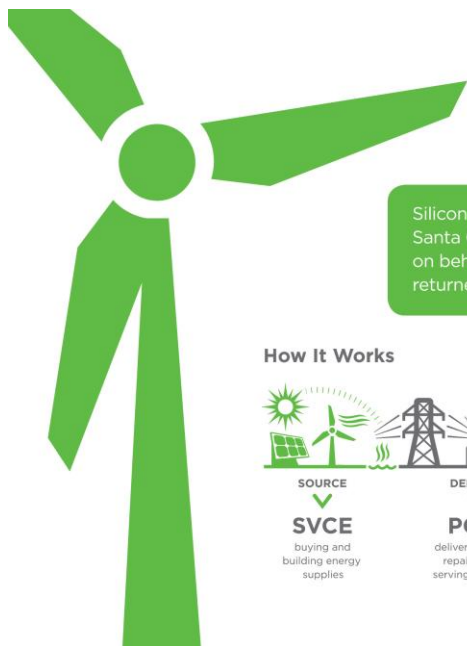
Reinvest revenues to keep rates low, provide energy efficiency programs and promote local clean energy infrastructure

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# **Enrollment**

# Enrollment

- Customers are automatically enrolled into the SVCE program
- Customers can “opt out” to stay with PG&E’s bundled service
- Customers receive at least 4 notices (2 pre- and 2 post-enrollment)



Welcome to your new electricity provider—  
powered by **wind, water** and **sun**.  
100% carbon free, with prices lower than PG&E.

Silicon Valley Clean Energy is a community-owned agency serving the majority of Santa Clara County communities by acquiring clean, 100% carbon-free electricity on behalf of residents and businesses. As a public agency, net revenues are returned to the community to keep rates low and promote clean energy programs.

## How It Works



## You're in!

In July 2017, you'll be receiving 100% carbon-free electricity\*—you don't need to do a thing. SVCE enrollment is automatic, but you can opt out to remain with PG&E.

Bienvenido a su nuevo proveedor de electricidad, generada por viento, agua y sol. 100% libre de carbono, con precios más bajos que PG&E.

歡迎使用您的新電力供應商——由風力、水力和太陽能發電。為您供應價格比 PG&E 更低的 100% 無碳電力。

\*Sourced from wind, solar, hydro and other renewable energy sources to meet the total annual demand of SVCE customers.

 **SILICON VALLEY  
CLEAN ENERGY**  
SVCleanEnergy.org

# Enrollment Phasing

April  
2017



July  
2017



**Residential**

20%

OF ACCOUNTS



**Residential**

100%

OF ACCOUNTS



**Small/Medium  
Commercial**

100%

OF ACCOUNTS



**Large  
Commercial**

100%

OF ACCOUNTS



**Municipal**

100%

OF ACCOUNTS



**Industrial &  
Agriculture**

100%

OF ACCOUNTS

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# **Choices and Resources**

# Electricity Choices



## GreenStart

Your default option, 1% below comparable PG&E generation rates

- 100% carbon free
  - 50% renewable energy
  - 50% non-polluting hydroelectric energy



## GreenPrime

Your voluntary option costs less than 1 penny more per kilowatt hour than GreenStart

- 100% renewable energy
- 100% carbon free



# Residential Rate Comparison

GreenStart	Opt Out (PG&E)	GreenPrime	Solar Choice (PG&E)
<b>50%</b> RENEWABLE ENERGY	<b>33%</b> RENEWABLE ENERGY	<b>100%</b> RENEWABLE ENERGY	<b>100%</b> RENEWABLE ENERGY
<b>100%</b> CARBON FREE	<b>70%</b> CARBON FREE	<b>100%</b> CARBON FREE	<b>100%</b> CARBON FREE
<b>\$0.13686</b> PG&E ELECTRIC DELIVERY	<b>\$0.13686</b> PG&E ELECTRIC DELIVERY	<b>\$0.13686</b> PG&E ELECTRIC DELIVERY	<b>\$0.13686</b> PG&E ELECTRIC DELIVERY
<b>\$0.06763</b> ELECTRIC GENERATION	<b>\$0.09838</b> ELECTRIC GENERATION	<b>\$0.07563</b> ELECTRIC GENERATION	<b>\$0.09529</b> ELECTRIC GENERATION
<b>\$0.02977</b> PG&E ADDED FEES	<b>\$0.00000</b> PG&E ADDED FEES	<b>\$0.02977</b> PG&E ADDED FEES	<b>\$0.02919</b> PG&E ADDED FEES
<b>\$0.23426</b> AVERAGE TOTAL COST	<b>\$0.23524</b> AVERAGE TOTAL COST	<b>\$0.24226</b> AVERAGE TOTAL COST	<b>\$0.26134</b> AVERAGE TOTAL COST
<b>\$108.24</b> AVERAGE MONTHLY BILL	<b>\$108.69</b> AVERAGE MONTHLY BILL	<b>\$111.94</b> AVERAGE MONTHLY BILL	<b>\$120.74</b> AVERAGE MONTHLY BILL

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**What Does SVCE  
Mean to You?**

# Summary

- New options for clean, renewable electricity at **competitive** rates
- Helping your community take **a big and immediate step** to reduce carbon emissions
- A locally governed agency supporting **clean energy investment, innovation and transformation** here in Santa Clara County



# Where to learn more:



SVCleanEnergy.org



844-474-SVCE (7823)



Billing & Customer Service:

[customerservice@svcleanenergy.org](mailto:customerservice@svcleanenergy.org)



General Info:

[info@svcleanenergy.org](mailto:info@svcleanenergy.org)



@SVCleanEnergy

# Supplemental Information

- Solar schedule & NEM info
- Sources of energy
- Common FAQs
- Residential customer survey results

# NEM Enrollment schedule

- Automatic enrollment with SVCE will be based on your annual NEM true-up date, as shown below:

If your NEM true-up month is:	Your scheduled SVCE enrollment date is:
February, March or April 2017	Phase 1 - April 2017
May, June or July 2017	Phase 2 - July 2017
August, September or October 2017	Phase 3 - October 2017
November or December 2017, or January 2018	Phase 4 - January 2018

- More info about SVCE's NEM program available at [SVCleanEnergy.org/solar](http://SVCleanEnergy.org/solar)

# Net Energy Metering



## **Retail Value for Surplus Generation**

SVCE values net surplus generation at your full retail rate, a much better deal than the 3-4 cent wholesale rate paid by PG&E.



## **Monthly Billing with Credit Roll Over**

We bill you monthly so you don't end up with a year's worth of charges in an annual true-up. Excess credits rollover month-to-month.



## **Automatic Annual Cash Out**

Credit balances over \$100 for surplus generation are automatically paid to you in April of each year, up to a maximum of \$5,000.



# Net Energy Metering



## **Opportunity to Enroll in GreenPrime**

Unlike with PG&E, SVCE NEM customers can ensure that when you do need additional electricity, it's sourced with 100% renewable energy—at an additional cost of only \$0.008/kWh.



## **Additional GreenPrime Value for Surplus Generation**

Upgrading to GreenPrime, SVCE's premium 100% renewable energy service, pays an additional \$0.008/kWh for net energy generation.

# Power Sources

- Supplies come from sources connected to the Western Grid.
- Examples:
  - Hydropower from Washington
  - Wind from Southern California
  - Solar from California
- Annual Power Content Label provided each year shows percentage of each supply used the previous year



# Residential Rate Comparison

## GreenStart

50%

RENEWABLE ENERGY

100%

CARBON FREE

\$50.96

PG&E ELECTRIC DELIVERY

\$32.80

ELECTRIC GENERATION

\$14.43

PG&E ADDED FEES

\$98.19

AVERAGE TOTAL COST

## Opt Out

33%

RENEWABLE ENERGY

70%

CARBON FREE

\$50.96

PG&E ELECTRIC DELIVERY

\$47.71

ELECTRIC GENERATION

\$0

PG&E ADDED FEES

\$98.67

AVERAGE TOTAL COST

## GreenPrime

100%

RENEWABLE ENERGY

100%

CARBON FREE

\$50.96

PG&E ELECTRIC DELIVERY

\$36.68

ELECTRIC GENERATION

\$14.43

PG&E ADDED FEES

\$102.07

AVERAGE TOTAL COST

# FAQs

- How can we be automatically switched from PG&E?
  - *CCA legislation (AB 117) that passed in 2002 to allow for competition with incumbent utility*
- I drive an EV, do I get to keep my EV rate?
  - *Yes, rate structures with PG&E remain the same.*
- I have solar, what does this mean for me?
  - *SVCE offers a Net Energy Metering program that's a better deal than PG&E's*
  - *More info at: [SVCleanEnergy.org/solar](https://svcleanenergy.org/solar)*
- More FAQ's available at: [SVCleanEnergy.org/faqs](https://svcleanenergy.org/faqs)

# Residential Customer Survey Results Santa Clara County

## **Q: Is addressing climate change important?**

Very Important: 60%, Somewhat Important: 29%

**= 89% say important**

## **Q: Is enough being done to address climate change?**

No: 47%, Do not know: 26%

## **Q: Awareness of the term Community Choice Energy/Aggregation**

No Knowledge of SVCE = 82%